| L Number | Hits | Search Text | DB | Time stamp |
|---|---|---|---|---|
| 1 | 0 | 700/8 and oscillat$3 near2 frequency same (optimiz$ tun$3 adapt$3) same model | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 15:31 |
| 2 | 1 | 700/8 and oscillat$3 near2 frequency and (optimiz$ tun$3 adapt$3) same model | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 15:36 |
| 3 | 2 | 700/$ and (resonan$ oscillat$3) near2 frequency with undamped and (optimiz$ tun$3 adapt$3) same model | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 15:40 |
| 4 | 2 | 703/$ and (resonan$ oscillat$3) near2 frequency with undamped and (optimiz$ tun$3 adapt$3) same model | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 15:40 |
| 5 | 3 | 318/$ and (resonan$ oscillat$3) near2 frequency with undamped and (optimiz$ tun$3 adapt$3) same model | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 15:56 |
| 9 | 0 | 331/$ and (resonan$ oscillat$3) near2 frequency with undamped and (optimiz$ tun$3 adapt$3) same (model algorithm) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 15:57 |
| 6 | 4 | 318/$ and (resonan$ oscillat$3) near2 frequency with undamped and (optimiz$ tun$3 adapt$3) same (model algorithm) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 15:57 |
| 7 | 2 | 703/$ and (resonan$ oscillat$3) near2 frequency with undamped and (optimiz$ tun$3 adapt$3) same (model algorithm) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 15:57 |
| 8 | 2 | 700/$ and (resonan$ oscillat$3) near2 frequency with undamped and (optimiz$ tun$3 adapt$3) same (model algorithm) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 15:58 |
| 10 | 16 | (resonan$ oscillat$3) near2 frequency with undamped and (optimiz$ tun$3 adapt$3) same (model algorithm) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 16:01 |

| 11 | 1 | (resonan$ oscillat$3) near2 frequency with undamped same (optimiz$ tun$3 adapt$3) same (model algorithm) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 16:02 |
|---|---|---|---|---|
| 12 | 3 | (resonan$ oscillat$3) near2 frequency with undamped same (optimiz$ tun$3 adapt$3) and (model algorithm) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 16:02 |
| 13 | 1 | (resonan$ oscillat$3) near2 frequency same undamped same (optimiz$ tun$3 adapt$3) same (model algorithm) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 16:03 |
| 14 | 460 | (resonan$ oscillat$3) near2 frequency same (optimiz$ tun$3 adapt$3) same (model algorithm) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 16:07 |
| 15 | 12 | (resonan$ oscillat$3) near2 frequency same (optimiz$ tun$3 adapt$3) same (model algorithm) and undamped | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 16:06 |
| 16 | 18 | (resonan$ oscillat$3) near2 frequency same (optimiz$ tun$3 adapt$3) same (model algorithm) and proportional same integral | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 16:08 |
| 17 | 0 | (resonan$ oscillat$3) near2 frequency same (optimiz$ tun$3 adapt$3) same (model algorithm) and proportional same integral and undamped | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 16:09 |
| 18 | 1 | (resonan$ oscillat$3) near2 frequency same (optimiz$ tun$3 adapt$3) same (model algorithm) and proportional and integral and undamped | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 16:10 |
| 19 | 7 | (resonan$ oscillat$3) near2 frequency same (optimiz$ tun$3 adapt$3) same (model algorithm) and proportional and undamped | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 16:10 |
| - | 18 | 700/28 and model and gain and oscillation and (@ad<19990924 @ad<19990924) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 15:16 |
| - | 2 | 700/28 and model same gain same oscillation and (@ad<19990924 @ad<19990924) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 15:18 |

| - | | 0 | 700/28 and model same cascaded and position same loop adj gain and proportional and integral and oscillation adj frequency same undamped and (@ad<19990924 @ad<19990924) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 15:20 |
|---|---|---|---|---|---|
| - | | 0 | 700/28 and model same cascaded and position same loop adj gain and proportional and integral and oscillation adj frequency and undamped and (@ad<19990924 @ad<19990924) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 15:20 |
| - | | 0 | 700/28 and model same cascaded and position same loop adj gain and proportional and integral and oscillation near frequency and undamped and (@ad<19990924 @ad<19990924) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 15:21 |
| - | | 0 | 700/28 and model same cascad$ and position same loop adj gain and proportional and integral and oscillation near frequency and undamped and (@ad<19990924 @ad<19990924) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 15:21 |
| - | | 0 | 700/28 and model same cascad$ and position same loop adj gain and proportional and integral and oscillation near frequency and (@ad<19990924 @ad<19990924) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 15:21 |
| - | | 0 | 700/28 and model same cascad$ and position same loop adj gain and proportional and integral and oscillation with frequency and (@ad<19990924 @ad<19990924) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 15:21 |
| - | | 0 | 700/$ and model same cascad$ and position same loop adj gain and proportional and integral and oscillation with frequency and (@ad<19990924 @ad<19990924) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 15:21 |
| - | | 0 | 700/$ and model same cascad$ and position same gain and proportional and integral and oscillation with frequency and (@ad<19990924 @ad<19990924) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 15:22 |
| - | | 0 | 700/$ and model same cascad$ and position same gain and proportional and integral and oscillation and (@ad<19990924 @ad<19990924) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 15:22 |
| - | | 0 | 700/$ and model same cascad$ and position same gain and proportional and integral and oscillat$ and (@ad<19990924 @ad<19990924) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 15:22 |
| - | | 9 | model same cascad$ and position same gain and proportional and integral and oscillat$ and (@ad<19990924 @ad<19990924) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 15:24 |

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|---|---|---|---|---|
| - | 0 | model same cascad$ and position same loop adj gain and proportional and integral and oscillat$ and (@ad<19990924 @ad<19990924) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 15:24 |
| - | 0 | model same cascad$ and position same loop adj gain and proportional and integral and (@ad<19990924 @ad<19990924) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 15:26 |
| - | 60 | oscillat$ near frequency same undamped and (@ad<19990924 @ad<19990924) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 15:27 |
| - | 2 | oscillat$ near frequency same undamped same model and (@ad<19990924 @ad<19990924) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 15:29 |
| - | 10 | oscillat$ near frequency and undamped same model and (@ad<19990924 @ad<19990924) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 15:30 |
| - | 32 | oscillat$ near frequency and undamped and model and (optimize optimization otimizer adapt tune tuning) and (@ad<19990924 @ad<19990924) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 15:31 |
| - | 0 | oscillat$ near frequency same undamped and (time adj constant) same model same (optimize optimization otimizer adapt tune tuning) and (@ad<19990924 @ad<19990924) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 15:33 |
| - | 0 | oscillat$ near frequency same undamped and (time adj constant) same model same (optimize optimization optimizer adapt tune tuning) and (@ad<19990924 @ad<19990924) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 15:33 |
| - | 64 | (time adj constant) same model same (optimize optimization optimizer adapt tune tuning) and (@ad<19990924 @ad<19990924) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 15:34 |
| - | 37 | (oscillation frequency undamped) and (time adj constant) same model same (optimize optimization optimizer adapt tune tuning) and (@ad<19990924 @ad<19990924) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 15:35 |
| - | 12 | (oscillation frequency undamped) and (time adj constant) with model same (optimize optimization optimizer adapt tune tuning) and (@ad<19990924 @ad<19990924) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 16:19 |

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|---|---|---|---|---|
| - | 0 | ((oscillation frequency) same undamped) and ((time adj constant) with model same (optimize optimization optimizer adapt tune tuning)) and (@ad<19990924 @ad<19990924) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 16:18 |
| - | 361 | undamp$3 same oscillat$3 and (@ad<19990924 @ad<19990924) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 16:19 |
| - | 0 | oscilat$3 near frequncy and undamp$3 same oscillat$3 and (@ad<19990924 @ad<19990924) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 16:20 |
| - | 0 | oscillat$3 near frequncy and undamp$3 same oscillat$3 and (@ad<19990924 @ad<19990924) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 16:20 |
| - | 217 | oscillat$3 with frequency and undamp$3 same oscillat$3 and (@ad<19990924 @ad<19990924) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 16:20 |
| - | 0 | oscillat$3 near freqeuncy and undamp$3 same oscillat$3 and (@ad<19990924 @ad<19990924) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 16:20 |
| - | 138 | oscillat$3 near frequency and undamp$3 same oscillat$3 and (@ad<19990924 @ad<19990924) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 16:20 |
| - | 74 | oscillat$3 near frequency and undamp$3 near3 oscillat$3 and (@ad<19990924 @ad<19990924) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 16:20 |
| - | 61 | oscillat$3 near frequency and undamp$3 near2 oscillat$3 and (@ad<19990924 @ad<19990924) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 16:21 |
| - | 9 | model and oscillat$3 near frequency and undamp$3 near2 oscillat$3 and (@ad<19990924 @ad<19990924) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 16:21 |
| - | 1 | (optimize optimum optimization tuning tune adapt adaptation) same model and oscillat$3 near frequency and undamp$3 near2 oscillat$3 and (@ad<19990924 @ad<19990924) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 16:23 |

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|---|---|---|---|---|---|
| - | 1 | (optimize optimum optimization tuning tune adapt adaptation) same model and frequency with undamp$3 near2 oscillat$3 and (@ad<19990924 @ad<19990924) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 16:24 |
| - | 3 | (optimize optimum optimization tuning tune adapt adaptation) same model and frequency same undamp$3 same oscillat$3 and (@ad<19990924 @ad<19990924) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 16:31 |
| - | 1 | (optimize optimum optimization tuning tune adapt adaptation) same model and frequency with undamp$3 with oscillat$3 and (@ad<19990924 @ad<19990924) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 16:24 |
| - | 2 | 6618637.pn. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 16:44 |
| - | 2 | 6274995.pn. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 16:34 |
| - | 2 | 6236182.pn. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 16:35 |
| - | 2 | 6127793.pn. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 16:35 |
| - | 0 | 700/28 and oscillation near frequency and undamped near oscillation and (@ad<19990924 @ad<19990924) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 16:45 |
| - | 0 | 700/$ and oscillation near frequency and undamped near oscillation and (@ad<19990924 @ad<19990924) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 17:14 |
| - | 35 | oscillation near frequency and undamped near oscillation and (@ad<19990924 @ad<19990924) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 16:51 |
| - | 5 | model and oscillation near frequency and undamped near oscillation and (@ad<19990924 @ad<19990924) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 16:49 |

| - | | 21 | model and oscillation with frequency with undamped and (@ad<19990924 @ad<19990924) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 16:49 |
|---|---|---|---|---|---|
| - | | 0 | optimiz$ with model and oscillation with frequency with undamped and (@ad<19990924 @ad<19990924) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 16:50 |
| - | | 1 | optimiz$ same model and oscillation with frequency with undamped and (@ad<19990924 @ad<19990924) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 16:50 |
| - | | 1 | (updat$ adapt$) with model and oscillation with frequency with undamped and (@ad<19990924 @ad<19990924) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 16:51 |
| - | | 0 | optim$ with model and oscillation with frequency with undamped and (@ad<19990924 @ad<19990924) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 16:51 |
| - | | 0 | optim$ with model and oscillation same frequency same undamped and (@ad<19990924 @ad<19990924) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 16:51 |
| - | | 12 | oscillation near frequency same undamped near oscillation and (@ad<19990924 @ad<19990924) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 16:51 |
| - | | 2 | model and oscillation near frequency same undamped near oscillation and (@ad<19990924 @ad<19990924) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 16:52 |
| - | | 0 | model same oscillation near4 frequency same undamped near4 oscillation and (@ad<19990924 @ad<19990924) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 16:52 |
| - | | 0 | optim$ same oscillation near4 frequency same undamped near4 oscillation and (@ad<19990924 @ad<19990924) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 16:52 |
| - | | 5 | 318/$ and oscillation near frequency and undamped near oscillation and (@ad<19990924 @ad<19990924) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 17:15 |

| - | | 0 | 318/$ and oscillation near frequency same undamped near oscillation and (@ad<19990924 @ad<19990924) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 17:15 |
|---|---|---|---|---|---|
| - | | 0 | 318/$ and model and oscillation near frequency and undamped near oscillation and (@ad<19990924 @ad<19990924) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 17:15 |
| - | | 0 | 318/$ and optimiz$ and oscillation near frequency and undamped near oscillation and (@ad<19990924 @ad<19990924) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 17:16 |
| - | | 0 | 318/$ and optimiz$ same model same oscillation same frequency same undamped and (@ad<19990924 @ad<19990924) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 17:17 |
| - | | 0 | 700/$ and optimiz$ same model same oscillation same frequency same undamped and (@ad<19990924 @ad<19990924) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 17:18 |
| - | | 0 | 700/$ and optimiz$ same model same frequency same undamped and (@ad<19990924 @ad<19990924) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 17:18 |
| - | | 0 | 318/$ and optimiz$ same model same frequency same undamped and (@ad<19990924 @ad<19990924) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 17:18 |
| - | | 0 | optimiz$ same model same frequency same undamped and (@ad<19990924 @ad<19990924) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 17:18 |
| - | | 0 | optimiz$ same model same oscillat$ same undamped and (@ad<19990924 @ad<19990924) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 17:18 |
| - | | 0 | optimiz$ same model same oscillation same frequency same undamped and (@ad<19990924 @ad<19990924) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 17:18 |
| - | | 0 | optimiz$ same model same oscillat$ same frequency same undamped and (@ad<19990924 @ad<19990924) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 17:19 |

| - | 0 | optimiz$ same model same oscillat$ same frequency same undamp$ and (@ad<19990924 @ad<19990924) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 17:19 |
|---|---|---|---|---|
| - | 7 | model same oscillat$ same frequency same undamp$ and (@ad<19990924 @ad<19990924) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/01/30 17:19 |
| - | 120 | ("4271503" "5177758" "5619171" "5640892" "5730139" "6068601" "4297599" "4298034" "4310877" "4365505" "4803675" "4818954" "4823065" "4901144" "4935873" "4953672" "4972438" "5010230" "5185759" "5207520" "5300744" "5313147" "5332386" "5403250" "5426311" "5525156" "5533565" "5548249" "5547037" "5561479" "5587671" "5663880" "5764670" "5770975" "5784072" "5786717" "5844435" "5845541" "5889801" "5907482" "5914866" "5914924" "5919240" "5918507" "5935325" "5995390" "5995389" "6038144" "6040986" "6042079" "6050368" "6055642" "6061528" "6061528" "6075420" "6084897" "6097257" "6137814" "6199028" "6208530").pn. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 12:16 |
| - | 9 | ("4271503" "5177758" "5619171" "5640892" "5730139" "6068601" "4297599" "4298034" "4310877" "4365505" "4803675" "4818954" "4823065" "4901144" "4935873" "4953672" "4972438" "5010230" "5185759" "5207520" "5300744" "5313147" "5332386" "5403250" "5426311" "5525156" "5533565" "5548249" "5547037" "5561479" "5587671" "5663880" "5764670" "5770975" "5784072" "5786717" "5844435" "5845541" "5889801" "5907482" "5914866" "5914924" "5919240" "5918507" "5935325" "5995390" "5995389" "6038144" "6040986" "6042079" "6050368" "6055642" "6061528" "6061528" "6075420" "6084897" "6097257" "6137814" "6199028" "6208530").pn. and oscillation and frequency and machine | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 12:18 |
| - | 5 | ("4271503" "5177758" "5619171" "5640892" "5730139" "6068601" "4297599" "4298034" "4310877" "4365505" "4803675" "4818954" "4823065" "4901144" "4935873" "4953672" "4972438" "5010230" "5185759" "5207520" "5300744" "5313147" "5332386" "5403250" "5426311" "5525156" "5533565" "5548249" "5547037" "5561479" "5587671" "5663880" "5764670" "5770975" "5784072" "5786717" "5844435" "5845541" "5889801" "5907482" "5914866" "5914924" "5919240" "5918507" "5935325" "5995390" "5995389" "6038144" "6040986" "6042079" "6050368" "6055642" "6061528" "6061528" "6075420" "6084897" "6097257" "6137814" "6199028" "6208530").pn. and oscillation near frequency and machine | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 12:19 |

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|---|---|---|---|---|---|
| - | | 0 | ("4271503" "5177758" "5619171" "5640892" "5730139" "6068601" "4297599" "4298034" "4310877" "4365505" "4803675" "4818954" "4823065" "4901144" "4935873" "4953672" "4972438" "5010230" "5185759" "5207520" "5300744" "5313147" "5332386" "5403250" "5426311" "5525156" "5533565" "5548249" "5547037" "5561479" "5587671" "5663880" "5764670" "5770975" "5784072" "5786717" "5844435" "5845541" "5889801" "5907482" "5914866" "5914924" "5919240" "5918507" "5935325" "5995390" "5995389" "6038144" "6040986" "6042079" "6050368" "6055642" "6061528" "6061528" "6075420" "6084897" "6097257" "6137814" "6199028" "6208530").pn. and oscillation near frequency and machine same optimiz$ | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 12:20 |
| - | | 0 | ("4271503" "5177758" "5619171" "5640892" "5730139" "6068601" "4297599" "4298034" "4310877" "4365505" "4803675" "4818954" "4823065" "4901144" "4935873" "4953672" "4972438" "5010230" "5185759" "5207520" "5300744" "5313147" "5332386" "5403250" "5426311" "5525156" "5533565" "5548249" "5547037" "5561479" "5587671" "5663880" "5764670" "5770975" "5784072" "5786717" "5844435" "5845541" "5889801" "5907482" "5914866" "5914924" "5919240" "5918507" "5935325" "5995390" "5995389" "6038144" "6040986" "6042079" "6050368" "6055642" "6061528" "6061528" "6075420" "6084897" "6097257" "6137814" "6199028" "6208530").pn. and oscillation near frequency same optimiz$ and machine | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 12:22 |
| - | | 0 | ("3630451" "3629665" "3601621" "3646463" "3643706" "3916277" "3906641" "3886339" "3876192" "3799529" "4032776" "4039753" "4055791" "4061051" "4063287" "4162431" "4067238" "4074312" "4249199" "4249418" "4251118" "4256987" "4258282" "4257376" "4259743" "4259605" "4260230" "4264837" "4268867" "4271098" "4270487" "4277667" "4281365" "4281331" "4283696" "4287491" "4286923" "4286459" "4293927" "4294493").pn. and oscillation near frequency same optimiz$ and machine | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 12:22 |
| - | | 0 | ("3630451" "3629665" "3601621" "3646463" "3643706" "3916277" "3906641" "3886339" "3876192" "3799529" "4032776" "4039753" "4055791" "4061051" "4063287" "4162431" "4067238" "4074312" "4249199" "4249418" "4251118" "4256987" "4258282" "4257376" "4259743" "4259605" "4260230" "4264837" "4268867" "4271098" "4270487" "4277667" "4281365" "4281331" "4283696" "4287491" "4286923" "4286459" "4293927" "4294493").pn. and oscillation near frequency and optimiz$ and machine | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 12:23 |

| - | 0 | ("4271503" "5177758" "5619171" "5640892" "5730139" "6068601" "4297599" "4298034" "4310877" "4365505" "4803675" "4818954" "4823065" "4901144" "4935873" "4953672" "4972438" "5010230" "5185759" "5207520" "5300744" "5313147" "5332386" "5403250" "5426311" "5525156" "5533565" "5548249" "5547037" "5561479" "5587671" "5663880" "5764670" "5770975" "5784072" "5786717" "5844435" "5845541" "5889801" "5907482" "5914866" "5914924" "5919240" "5918507" "5935325" "5995390" "5995389" "6038144" "6040986" "6042079" "6050368" "6055642" "6061528" "6061528" "6075420" "6084897" "6097257" "6137814" "6199028" "6208530").pn. and oscillation near frequency and optimiz$ and machine | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 12:22 |
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| - | 0 | ("4271503" "5177758" "5619171" "5640892" "5730139" "6068601" "4297599" "4298034" "4310877" "4365505" "4803675" "4818954" "4823065" "4901144" "4935873" "4953672" "4972438" "5010230" "5185759" "5207520" "5300744" "5313147" "5332386" "5403250" "5426311" "5525156" "5533565" "5548249" "5547037" "5561479" "5587671" "5663880" "5764670" "5770975" "5784072" "5786717" "5844435" "5845541" "5889801" "5907482" "5914866" "5914924" "5919240" "5918507" "5935325" "5995390" "5995389" "6038144" "6040986" "6042079" "6050368" "6055642" "6061528" "6061528" "6075420" "6084897" "6097257" "6137814" "6199028" "6208530").pn. and oscillation near frequency same machine | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 12:23 |
| - | 1 | ("3630451" "3629665" "3601621" "3646463" "3643706" "3916277" "3906641" "3886339" "3876192" "3799529" "4032776" "4039753" "4055791" "4061051" "4063287" "4162431" "4067238" "4074312" "4249199" "4249418" "4251118" "4256987" "4258282" "4257376" "4259743" "4259605" "4260230" "4264837" "4268867" "4271098" "4270487" "4277667" "4281365" "4281331" "4283696" "4287491" "4286923" "4286459" "4293927" "4294493").pn. and oscillation near frequency same machine | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 12:24 |
| - | 1 | ("3630451" "3629665" "3601621" "3646463" "3643706" "3916277" "3906641" "3886339" "3876192" "3799529" "4032776" "4039753" "4055791" "4061051" "4063287" "4162431" "4067238" "4074312" "4249199" "4249418" "4251118" "4256987" "4258282" "4257376" "4259743" "4259605" "4260230" "4264837" "4268867" "4271098" "4270487" "4277667" "4281365" "4281331" "4283696" "4287491" "4286923" "4286459" "4293927" "4294493").pn. and oscillation near frequency and machine | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 12:32 |
| - | 19 | 331/$ and oscillation near frequency same machine | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 12:33 |

| - | 0 | 331/$ and oscillation near frequency same machine same optimiz$ | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 12:33 |
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| - | 5 | 331/$ and oscillation near frequency and machine same optimiz$ | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 12:37 |
| - | 2 | 331/$ and oscillation near frequency same optimiz$ and machine | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 12:34 |
| - | 59 | 331/$ and oscillation near frequency and (time constant model) with optimiz$ | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 12:37 |
| - | 11 | 331/$ and oscillation near frequency same (time constant model) with optimiz$ | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 12:47 |
| - | 0 | 331/$ and oscillation near frequency same model with optimiz$ | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 12:48 |
| - | 0 | oscillation near frequency same model with optimiz$ | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 12:48 |
| - | 10 | oscillation near frequency same model same optimiz$ | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 12:52 |
| - | 46 | oscillation near frequency and model with optimiz$ | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 12:53 |
| - | 9 | 703/$ and oscillation near frequency and model with optimiz$ | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 12:58 |
| - | 0 | 703/$ and oscillation near frequency same model with optimiz$ | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 12:54 |

| - | 0 | 703/$ and oscillation near frequency same model same optimiz$ | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 12:58 |
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| - | 0 | 703/$ and oscillation near frequency with optimiz$ and model | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 12:58 |
| - | 16 | oscillation near frequency with optimiz$ and model | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 13:57 |
| - | 0 | 700/$ and oscillation near frequency with optimiz$ and model | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 12:58 |
| - | 0 | 700/$ and oscillation near frequency same model same optimiz$ | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 12:58 |
| - | 6 | 700/$ and oscillation near frequency and model with optimiz$ | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 13:00 |
| - | 0 | 700/$ and oscillation near frequency with optimiz$ and model | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 13:02 |
| - | 0 | 700/$ and oscillation near frequency with optimiz$ | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 13:09 |
| - | 14 | 700/$ and oscillation near frequency same model | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 13:07 |
| - | 16 | 703/$ and oscillation near frequency same model | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 13:56 |
| - | 0 | 703/$ and oscillation near frequency with optimiz$ | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 13:09 |

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| - | 0 | 703/$ and oscillation near frequency same optimiz$ | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 13:56 |
| - | 2 | 700/$ and oscillation near frequency same optimiz$ | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 13:56 |
| - | 0 | oscillation near frequency with optimiz$ same model | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 13:21 |
| - | 16 | 318/$ and oscillation near frequency same model | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 13:56 |
| - | 9 | 318/$ and oscillation near frequency same optimiz$ | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 13:57 |
| - | 0 | 318/$ and oscillation near frequency with optimiz$ and model | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 13:59 |
| - | 3 | 318/$ and oscillation near frequency same optimiz$ and model | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 13:59 |
| - | 1 | 318/$ and oscillation near frequency same optimiz$ same model | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 14:33 |
| - | 0 | 700/28 and oscillat$3 near frequency same optimiz$ same model | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 14:34 |
| - | 0 | 700/28 and oscillat$3 near frequency same (optimiz$ tun$3 adapt$3) same model | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 14:34 |
| - | 0 | 700/29 and oscillat$3 near frequency same (optimiz$ tun$3 adapt$3) same model | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 14:37 |

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|---|---|---|---|---|---|
| - | | 1 | 700/29 and oscillat$3 near2 frequency same (optimiz$ tun$3 adapt$3) same model | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 14:38 |
| - | | 0 | 700/28 and oscillat$3 near2 frequency same (optimiz$ tun$3 adapt$3) same model | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 14:38 |
| - | | 0 | 700/30 and oscillat$3 near2 frequency same (optimiz$ tun$3 adapt$3) same model | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 14:39 |
| - | | 1 | 700/31 and oscillat$3 near2 frequency same (optimiz$ tun$3 adapt$3) same model | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 14:40 |
| - | | 1 | 700/32 and oscillat$3 near2 frequency same (optimiz$ tun$3 adapt$3) same model | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 14:40 |
| - | | 0 | 700/33 and oscillat$3 near2 frequency same (optimiz$ tun$3 adapt$3) same model | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 14:40 |
| - | | 0 | 700/34 and oscillat$3 near2 frequency same (optimiz$ tun$3 adapt$3) same model | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 14:40 |
| - | | 0 | 700/35 and oscillat$3 near2 frequency same (optimiz$ tun$3 adapt$3) same model | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 14:41 |
| - | | 0 | 700/37 and oscillat$3 near2 frequency same (optimiz$ tun$3 adapt$3) same model | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 14:41 |
| - | | 0 | 700/40 and oscillat$3 near2 frequency same (optimiz$ tun$3 adapt$3) same model | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 14:41 |
| - | | 0 | 700/41 and oscillat$3 near2 frequency same (optimiz$ tun$3 adapt$3) same model | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 14:41 |

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| - | 0 | 700/42 and oscillat$3 near2 frequency same (optimiz$ tun$3 adapt$3) same model | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 14:42 |
| - | 0 | 700/43 and oscillat$3 near2 frequency same (optimiz$ tun$3 adapt$3) same model | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 14:42 |
| - | 0 | 700/75 and oscillat$3 near2 frequency same (optimiz$ tun$3 adapt$3) same model | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 14:42 |
| - | 0 | 700/108 and oscillat$3 near2 frequency same (optimiz$ tun$3 adapt$3) same model | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 14:42 |
| - | 0 | 700/173 and oscillat$3 near2 frequency same (optimiz$ tun$3 adapt$3) same model | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 14:42 |
| - | 0 | 700/174 and oscillat$3 near2 frequency same (optimiz$ tun$3 adapt$3) same model | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 14:42 |
| - | 0 | 703/2 and oscillat$3 near2 frequency same (optimiz$ tun$3 adapt$3) same model | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 14:43 |
| - | 3 | 700/$ and oscillat$3 near2 frequency same (optimiz$ tun$3 adapt$3) same model | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 14:43 |
| - | 1 | 703/$ and oscillat$3 near2 frequency same (optimiz$ tun$3 adapt$3) same model | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 14:44 |
| - | 0 | 318/561 and oscillat$3 near2 frequency same (optimiz$ tun$3 adapt$3) same model | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 14:44 |
| - | 0 | 318/608 and oscillat$3 near2 frequency same (optimiz$ tun$3 adapt$3) same model | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 14:44 |

| - | 0 | 318/609 and oscillat$3 near2 frequency same (optimiz$ tun$3 adapt$3) same model | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 14:44 |
|---|---|---|---|---|
| - | 0 | 318/610 and oscillat$3 near2 frequency same (optimiz$ tun$3 adapt$3) same model | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 14:44 |
| - | 0 | 318/611 and oscillat$3 near2 frequency same (optimiz$ tun$3 adapt$3) same model | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 14:44 |
| - | 0 | 318/629 and oscillat$3 near2 frequency same (optimiz$ tun$3 adapt$3) same model | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 14:45 |
| - | 0 | 318/630 and oscillat$3 near2 frequency same (optimiz$ tun$3 adapt$3) same model | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 14:45 |
| - | 2 | 318/$ and oscillat$3 near2 frequency same (optimiz$ tun$3 adapt$3) same model | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/02/04 15:31 |